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MALDON
RURAL DISTRICT COUNCIL

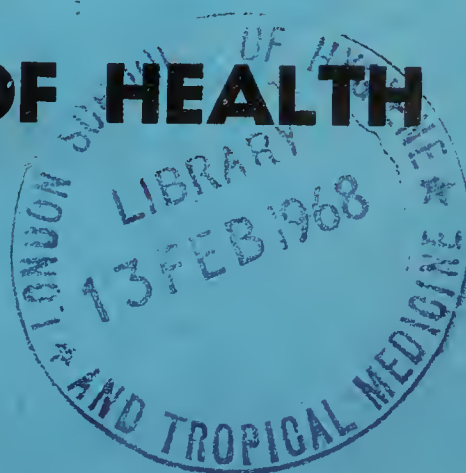
Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR

1963



MALDON
RURAL DISTRICT COUNCIL

Annual Report

OF THE
MEDICAL OFFICER OF HEALTH

FOR

1963

W. H. Houldershaw, Ltd.,
—Southend-on-Sea—

PUBLIC HEALTH COMMITTEE, 1963

Chairman of the Council : Councillor Mr. W. Binder, J.P.

Vice Chairman of the Council : Councillor Mr. G. H. Barber.

Chairman : Councillor Mr. G. H. Barber.

Vice Chairman : Councillor Mr. A. F. Ratcliff.

Members : Councillors Miss M. M. Addington Hall.

Mrs. W. N. Nix.

Mr. J. C. Bowles.

Mr. H. G. Butt.

Mr. A. Green.

Mr. M. P. Haley

Dr. J. G. Madden.

Mr. G. W. Playle.

Mr. E. A. Ratcliff.

Mr. W. H. Roland Still.

PUBLIC HEALTH STAFF.

<i>Clerk to the Rural District Council</i>	L. H. Hiscott
<i>Medical Officer of Health</i> ...	Thomas D. Blott, B.Sc., M.B. B.S., D.P.H., who also acts in this capacity for the Borough of Maldon, Urban District of Burnham-on-Crouch and the Rural District of Chelmsford.
<i>Surveyor and Water Engineer</i> ...	I. M. Nicholson, M.I.Mun.E., A.M.I.S.E.
<i>Senior Public Health Inspector</i> ...	G. L. Turner.
<i>Deputy Public Health Inspector</i> ...	L. F. Newnham.
<i>Additional Public Health Inspector</i> ...	R. F. Coldham to 31.1.63. J. G. Mickleburgh from 25.2.63. to 30.4.63. R. S. Fierheller from 13.5.63.
<i>Clerk to Public Health Inspectors</i>	Mrs. J. M. Goodrich.
<i>Clerk to Medical Officer Health</i> ...	Miss S. A. Moye.

COUNCIL OFFICES,
WANTZ ROAD,
MALDON,
ESSEX.

**To the Chairman and Members of the
Maldon Rural District Council**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I present for your consideration my Annual Report for 1963.

During the year 212 cases of Infectious Diseases were notified compared with 92 cases the previous year. A better comparison would be with 1961 when 270 cases were notified. These variations are due to outbreaks of Measles, which usually reach epidemic proportions in alternate years.

During the year there were four cases of Acute Infective Hepatitis notified and there were other cases in the area. This illness, because of the long incubation period and the number of mild cases which pass unnoticed, is difficult to trace. It is caused by a virus and I feel a thorough investigation of its extent in the Dengie area would prove rewarding.

Both the Public Health Laboratory Service and the Ministry of Agriculture, Fisheries and Food are taking an active interest in the spread of virus diseases, and I feel that the collaboration with General Practitioners, Hospital Services and Public Health Departments, it should be possible to learn much more about the natural history of this disease which appears to be endemic in this area.

During the year there has been an increasing number of caravans entering the area. Too often, these represent a sub-standard of living. The re-integration of the occupants into the community presents considerable difficulties, especially as housing is in short supply.

I have received information as to a number of cases of Salmonella infection amongst cattle, especially calves, on various farms in the area. These bacteria are also pathogenic to humans and I feel more time should be spent investigating the pattern of spread of infection from cattle to humans in this district. It may be necessary to increase considerably the taking of bacterial samples in slaughterhouses.

I have referred at length to these problems concerning infectious diseases, as it is commonly thought that notifications to Medical Officers of Health serve little purpose. Notifications, if prompt, provide ammunition for research and preventive measures. The problems are still there and so are the solutions if we care to look for them.

Throughout the year I have received great help from your Senior Public Health Inspector and his staff, and I would like also to thank the Chairman and Members of the Public Health Committee for their advice throughout the year.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

T. D. BLOTT.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1963.

Two Hundred and twelve cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with ninety two for the previous year.

Notifiable Disease	Total Cases	Under 1	1—2	2—3	3—4	4—5	5—10	10—15	15—20	20—35	35—45	45—65	65 and over	Cases admitted to Hospital	Total Deaths
Scarlet Fever	3	—	—	—	—	—	3	—	—	—	—	—	—	—	—
Whooping Cough	17	—	3	3	—	1	6	3	1	—	—	—	—	—	—
Measles	180	2	13	12	16	19	110	7	—	—	1	—	—	—	—
Pneumonia	4	—	1	—	—	—	—	—	—	—	1	—	2	—	—
Food Poisoning	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—
Acute Poliomyelitis	1	—	—	—	—	—	—	—	—	1	—	—	—	1	—
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Infective Hepatitis	4	—	—	—	—	—	1	1	—	—	1	1	—	—	—
Dysentery	2	1	—	1	—	—	—	—	—	—	—	—	—	1	1
Totals	212	3	17	16	16	20	120	11	1	1	3	2	2	2	1

The above table shows the distribution of infectious diseases by age throughout the population of the district.

Tuberculosis.

New Cases and Mortality during 1963.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1962.

Age Groups			* New Cases				Deaths			
			Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
			M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	...	—	—	—	—	—	—	—	—
1—5	...	...	1	—	—	—	—	—	—	—
5—10	...	...	—	—	—	—	—	—	—	—
10—15	...	...	—	—	—	—	—	—	—	—
15—20	...	...	—	—	—	—	—	—	—	—
20—25	...	...	—	—	—	—	—	—	—	—
25—35	...	...	—	2	—	—	—	—	—	—
35—45	...	...	1	—	—	—	—	—	—	—
45—55	...	...	1	—	—	—	—	—	—	—
55—65	...	...	1	—	—	—	—	—	—	—
65 and over	...	...	1	—	—	—	—	—	—	—
TOTALS	...	...	5	2	—	—	—	—	—	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Table showing local distribution of infectious diseases notified during 1963.

PARISH	Scarlet Fever	Whooping Cough	Measles	Pneumonia	Food Poisoning	Acute Poliomyelitis	Erysipelas	Pulmonary Tuberculosis	Other forms of Tuberculosis	Acute Infective Hepatitis	Dysentery
Althorne	—	—	13	1	—	—	—	—	—	—	—
Asheldham	—	—	4	—	—	—	—	—	—	—	—
Bradwell-on-Sea	—	—	—	—	—	—	—	—	—	—	—
Great Braxted	—	—	—	—	—	—	—	1	—	—	—
Little Braxted	—	—	—	—	—	—	—	—	—	—	—
Cold Norton	—	—	3	—	—	—	—	1	—	—	—
Dengie	—	4	2	—	—	1	—	—	—	—	1
North Fambridge	1	—	9	—	—	—	—	—	—	—	1
Goldhanger... ..	—	2	1	—	—	—	—	—	—	—	—
Hazeleigh	—	—	5	—	—	—	—	—	—	—	—
Langford	—	—	—	—	—	—	—	—	—	—	—
Latchingdon	—	—	10	—	—	—	—	—	—	—	—
Mayland	—	—	5	—	—	—	—	—	—	—	—
Mundon	—	—	2	—	—	—	—	—	—	—	—
Purleigh	—	—	25	—	—	—	—	—	—	—	—
St. Lawrence	—	—	3	1	—	—	—	—	—	—	—
Southminster	1	—	45	1	1	—	—	2	—	1	—
Steeple	—	—	3	—	—	—	—	—	—	—	—
Stow Maries	—	—	4	—	—	—	—	—	—	—	—
Tillingham	—	4	15	1	—	—	—	2	—	—	—
Tollesbury	—	—	2	—	—	—	—	—	—	—	—
Tolleshunt D'Arcy	—	—	3	—	—	—	—	—	—	2	—
Tolleshunt Knights	1	—	—	—	—	—	—	—	—	—	—
Tolleshunt Major	—	—	—	—	—	—	—	—	—	—	—
Great Totham	—	1	14	—	—	—	—	—	—	—	—
Little Totham	—	—	—	—	—	—	—	—	—	—	—
Ulting	—	—	1	—	—	—	—	—	—	—	—
Wickham Bishops	—	5	7	—	—	—	—	1	—	1	—
Woodham Mortimer	—	—	3	—	—	—	—	—	—	—	—
Woodham Walter... ..	—	1	1	—	—	—	—	—	—	—	—
Totals ...	3	17	180	4	1	1	—	7	—	4	2

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Hospital treatment for patients in the area is the responsibility of the Regional Hospital Boards.

The Children's Department of the Essex County Council is responsible for the welfare of children and young persons in the area.

AMBULANCE FACILITIES

These are provided by the Essex County Council and the Ambulance Station for the area is in Spital Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

Maternity and Child Welfare Centres :

Mayland	Henry Samuel Hall	4th Thursday in each month 2.30 p.m.	Doctor in attendance
Bradwell-on-Sea	Village Hall	1st Wednesday in each month 2 p.m.	Doctor in attendance
South-minster	Baptist Chapel School Room	4th Monday in each month 2.30 p.m.	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month 2 p.m.	Doctor attends 3rd Tuesday
Wickham Bishops	Church Room	2nd Wednesday in each month 2.30 p.m.	Doctor in attendance
Great Totham :	Village Hall	4th Wednesday 2 p.m.	Doctor attends all sessions

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 1.45 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2.30 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
Purleigh	Village Hall	4th Wednesday in each month 1.30 p.m.	Doctor in attendance
*Woodham Walter	Women's Institute Club Room	Last Thursday in each month 2 p.m.	Doctor in attendance on 5th Thurs.

*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 4th Thursday.

Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance
Latchingdon	Village Hall	1st Thursday in each month	Doctor attends all sessions

Ante Natal Clinics

Health Centre, Wantz Chase, Maldon	3rd and 5th Monday in each month 10 a.m.	Doctor in attendance
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Women's Welfare Clinic :

Health Centre, Wantz Chase, Maldon	3rd and 5th Monday 10 a.m.	Doctor in attendance
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School Clinics :

Orthopaedic After Treatment Centre	St. Peters Hospital Maldon	By appointment
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School Clinic	Health Centre, Wantz Chase, Maldon	1st, 3rd & 5th Fridays 9.30 a.m.—12 noon. Doctor in attendance
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Eye Clinic	St. Peter's Hospital, Maldon	By appointment
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Speech Therapy	Health Centre Wantz Chase, Maldon	Thursdays, a.m. and p.m.
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Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals :—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford and Essex County, Colchester.

Family Planning Clinic :

Coval Lane Clinic	Chelmsford	Tuesday and Thursday evenings, 6.30 p.m.- 8 p.m.
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Treatment Centres for Venereal Diseases :

These are situated at Chelmsford and Colchester Hospitals, Oldchurch County Hospital, Romford, and a number of London General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Application should be made to the Area Medical Officer of Health at 75, Springfield Road, Chelmsford; (Tel. No. Chelmsford 4891).

LABORATORIES. Public Health Laboratory Service, Chelmsford & Essex Hospital, London Road, Chelmsford.

During the year no action was taken under Section 47 of the National Assistance Act, 1948, which deals with the removal to suitable premises of persons in need of care and attention.

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who had died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

One burial was carried out under the Act during 1963 and since the passing of the Act 14 burials have been carried out.

PUBLIC CLEANSING

Household Refuse

A weekly refuse collection is carried out by contractors in the Parishes of Southminster and Tollesbury and throughout the remainder of the District a fortnightly collection is undertaken.

The more outlying properties have a fortnightly tins and bottles collection by direct labour.

Collection of Pails

A weekly pail closet collection from all Parishes in the area is carried out by private contractors.

Emptying of Cesspools

The Council commenced a scheme for the emptying of cesspools throughout the District in April, 1961. The scheme allows for a once yearly free emptying; additional emptyings being chargeable to the occupier at the contractor's agreed rate with the Council.

Prevention of Damage by Pests Act, 1949.

The Council operates a rat destruction scheme and employs a full time rat catcher.

Work is carried out on farms, domestic premises and Local Authority undertakings including tips, sewage works and sewers throughout the whole of the Rural District.

During the year 780 visits were made by the rat catcher on treatment work. In addition to the treatment work, inspections are regularly carried out throughout the area.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	7	—	—	—
Primary Inspections Re :				
Structural Defects	68	9	—	1
Nuisances	122	35	—	39
Overcrowding	48	—	—	—
Dirty conditions	4	—	—	—
Re Inspections :				
Under Housing Regs.	33	—	—	—
Re Structural defects	94	—	—	—
Nuisances	121	—	—	—
Overcrowding	11	—	—	—
Dirty Conditions	4	—	—	—
Verminous Premises :				
Rats and Mice	2	—	—	—
Other Pests	32	8	—	4
Infectious Diseases				
Inquiries	8	—	—	—
Disinfections	—	—	—	—
Sewage and Drainage :				
House Drainage Inspections	616	14	—	15
Tests	56	—	—	—
Other Forms Inspections	77	4	—	—
Tests	4	—	—	—
Inspections re cesspools	224	18	—	18
Inspections re sewerage	285	—	—	—
Sanitary Conveniences :				
Dwelling Houses	695	2	—	9
Other Premises	59	—	—	1
Water Supply :				
Samples taken	223	—	—	—
Other visits	456	—	—	1
Milk and Dairies Inspections :				
Cowsheds	2	—	—	—
Dairies	1	—	—	—
Milk samples taken	—	—	—	—
Inspections Re :				
Food Hawker	4	—	—	—
Licensed Premises	18	—	—	1
Offices	—	—	—	—
Bakehouses	12	—	—	—
Slaughterhouses	275	—	—	—
Butchers' Shops	14	—	—	—
Food Shops	98	—	—	—
Other Shops	5	—	—	—
Ice Cream, Man. Premises	5	—	—	—
Ice Cream, Dealers' Premises	11	—	—	—
Man. Food Premises	16	—	—	—
Restaurants	22	—	—	—
Factories with Mech. Power	17	—	—	—
Factories without Mech. Power	2	—	—	—
Workplaces	—	—	—	—
Outworkers Premises	4	—	—	—
Places of Entertainment	6	—	—	—
Knackers' Yards	—	—	—	—
Schools	2	—	—	—
Rivers, Ditches and Streams	66	13	—	7
Swimming Pools	5	—	—	—
Movable Dwelling	110	2	—	2
Houseboats	—	—	—	—
Fried Fish Shops	3	—	—	—
Animal Boarding Establishments	1	—	—	—
Stables and Piggeries	23	—	—	—
Waste Food Boilers	1	—	—	—
Improvement Grants :				
Applications	90	—	—	—
Works in progress	905	—	—	—
Annual re-inspections	3	—	—	—
Public Cleansing:				
Refuse Collection	161	—	—	—
Refuse Disposal	48	—	—	—
Nightsoil Collection	109	—	—	—
Cesspool Emptying	175	—	—	—
Sewage Disposal	5	—	—	—
Miscellaneous Inspections	274	—	—	—
Disease of Animals Act	1	—	—	—
TOTALS	5743	105	—	98

Smoke Abatement. No cause for action occurred throughout the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury and a small open-air pool at Purleigh County Primary School from which samples are regularly taken. All the samples taken during the year gave satisfactory results.

Knackers' Yards. There is one in the district, situated in the parish of Purleigh.

Houseboats. During the year 11 licences to moor or place houseboats were granted under the Essex County Council Act, 1952, Part VII. These are situated in the parishes of Althorne, North Fambridge, Latchingdon and Tollesbury.

Bakehouses. There are 5 in the district, situated in the following parishes :—Tillingham 1, Tollesbury 2, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

Moveable Dwellings.

THE CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960.

During the period to which this report relates 40 applications for licences under the above Act were received, and 36 licences were issued.

ADMINISTRATION OF THE FACTORIES ACT, 1961.

1.—**Inspections** for the purposes of provisions as to health.
Including inspections made by Public Health Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	12	2	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	58	17	—	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	8	8	—	—
TOTAL ...	78	27	—	—

2.—Cases in which Defects were found.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	—	—	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3)	—	—	—	—	—
Inadequate Ventilation (S.4)	—	—	—	—	—
Ineffective Drainage of Floors (S.6)	—	—	—	—	—
Sanitary Conveniences (S.7) :					
Insufficient	—	—	—	—	—
Unsuitable or Defective	—	—	—	—	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work)	—	—	—	—	—
TOTAL ...	—	—	—	—	—

OUTWORK (Sections 110-111)

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances unwholesome premises	Notices Served	Prosecutions
Wearing apparel Making etc. Cleaning and washing ...	3	—	—	—	—	—
	—	—	—	—	—	—
Total ...	3	—	—	—	—	—

FOOD AND DRUGS ACT, 1955
INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

There are 24 distributors of milk in the district.

Unfit Food.

3 x 6 lb. tins Argentinian Corned Beef.

Meat Inspection.

There are licensed in the District two slaughterhouses. A regular inspection is made of all animals killed and the following table shows the number killed throughout the year and the amount of meat condemned as unfit for human consumption.

**Carcases and Offal Inspected and Condemned in whole
or in part during 1963.**

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Goats
Number killed (if known)	1086	723	95	1,049	2,289	—
Number inspected	1086	723	95	1,049	2,289	—
<i>All diseases except Tuberculosis and Cysticerci</i> Whole carcases condemned	—	3	—	1	1	—
Carcases of which some part or organ was condemned	81	137	1	33	143	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	7.5	19.4	1.1	3.2	6.3	—
<i>Tuberculosis only :</i> Whole carcases condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	19	—
Percentage of the number inspected affected with tuberculosis	—	—	—	—	1.8	—
<i>Cysticercosis :</i> Carcases of which some part or organ was condemned	3	3	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

WATER SUPPLY.

A piped water supply from the mains owned by the District Council was available to 96 per cent of the population. The figures for each parish are set out in the table below.

The supply is augmented from two local works :—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldham.

The supplies from these two works are chlorinated.

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water.

The following table gives details of the water supplied to the District for the year ending 31st March, 1964 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	164,939,000	451,000
Southend Waterworks Co. ...	129,330,000	353,000
Lexden and Winstree R.D.C. ...	—	—
Chelmsford	45,000	—
Total Amount Purchased ...	294,314,000	804,000
<i>Own Supplies—</i>		
Asheldham	3,538,000	10,000
Warren Bottom, Woodham Walter	32,048,000	87,000
Jacobs Well, Woodham Walter ...	22,935,000	63,000
Total	58,521,000	160,000
Total supplied from all Sources ...	352,835,000	964,000

The total amount of water supplied for the previous year was 347,028,000 gallons. During 1963-1964 there were 854 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 18,000 (this figure includes an allowance for the considerable increase in population on the Riverside Estates during the summer months):—

Domestic	...	24 gallons
Trade	...	30 gallons
		—
Total	...	54 gallons
		==

Summary of Work Carried Out by Waterworks Department

<i>Description</i>	<i>Year ending 31.3.63</i>	<i>Year ending 31.3.64</i>
New services installed ...	176	376
New meters installed ...	32	32
Meters changed on existing supplies ...	28	66
Meters removed from existing supplies ...	17	15
Services repaired ...	238	184
Services disconnected ...	9	13
Mains repaired ...	101	78
New Valves and Hydrants fixed ...	—	21 V
	—	38 H
Valves and Hydrants repaired	16 H	37 H
	22 V	25 V
New mains laid (Asbestos Cement) 746 yds.		2,574 yds.
Mains renewed (Asbestos Cement) 806 yds.		1,773 yds.

Total mileage of Water Mains of all sizes at 31.3.64, 179 miles.

**RECORD OF HABITABLE HOUSES AND WATER
SUPPLY AS AT 31st DECEMBER, 1963.**

PARISH	Habitable Houses (not includ- ing Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne	179	179	—	—
Asheldam	52	51	—	1
Bradwell-on-Sea	262	253	4	5
Braxted, Great	126	92	7	27
Braxted, Little	47	45	2	—
Cold Norton	214	214	—	—
Dengie	51	45	—	6
Fambridge, North	118	117	—	1
Goldhanger	197	191	2	4
Hazeleigh	40	40	—	—
Langford	59	45	1	13
Latchingdon	326	326	—	—
Mayland	190	185	5	—
Mundon	100	100	—	—
Purleigh	329	327	—	2
St. Lawrence	145	145	—	—
Southminster	723	703	2	18
Steeple	147	144	1	2
Stow Maries	67	67	—	—
Tillingham	299	275	15	9
Tollesbury	586	580	4	2
Tolleshunt D'Arcy	319	299	9	11
Tolleshunt Knights	185	185	—	—
Tolleshunt Major	140	131	3	6
Totham, Great	515	504	2	9
Totham, Little	92	81	4	7
Ulting	47	34	1	12
Wickham Bishops	319	274	6	39
Woodham Mortimer... ..	146	142	3	1
Woodham Walter	186	165	2	19
TOTALS ...	6206	5939	73	194

Number of properties served by communal standpipes.

<i>Parish</i>	<i>No. of Standpipes</i>	<i>Properties served</i>
T. Major, Pennysbrook ...	1	7

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting	...	16	Supplied direct by Southend Waterworks
Cold Norton		5	Supplied direct by Southend Waterworks
Ulting		3	Supplied by Braintree R.D.C.
Woodham Mortimer	...	4	Supplied by Maldon Borough Council
Goldhanger		1	Supplied by Maldon Borough Council
Little Totham		5	Supplied by Maldon Borough Council

**Number of Properties outside Maldon Rural District
supplied by Maldon Rural District Council.**

Witham		9
Maldon		5

Sample of Water from Woodham Walter Pumping Station

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	...	Nil.
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Slightly chlorinous
pH	...	...	...	...	...	6.7
Free Carbon Dioxide	...	...	...	...	...	25
Electric Conductivity	...	...	...	...	...	460
Dissolved Solids Dried at 180° C	...	...	...	...	...	330
Chlorine present as Chloride	...	...	...	...	...	41
Alkalinity as Calcium Carbonate	...	...	...	...	...	65

<i>Chemical Results in Parts per Million</i>					
Hardness :	Total	...	...	...	195
	Carbonate		...	...	65
	Non-carbonate		...	...	136
Nitrate Nitrogen	...	...	...	...	16
Nitrite Nitrogen	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	0.000
Oxygen absorbed	...	...	...	...	0.10
Albuminoid Nitrogen	...	...	...	...	0.000
Residual Chlorine	...	...	...	...	0.2
Metals	...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	0 per ml.

Presumptive Coli-form Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Report

This sample is clear and bright in appearance and is free from metals. It has, however, a reaction on the acid side of neutrality due to its content of free carbon dioxide and will, therefore, tend to show corrosive action on metals. The hardness of the water is moderate and it contains no excess of mineral or saline constituents in solution. It conforms to the highest standard of organic quality and bacterial purity.

These results are indicative of a pure and wholesome water. For public supply purposes, correction of its corrosive characteristics towards metals would be very desirable.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSES OF PURIFIED WATER

AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham Works	Layer-de-la-Haye Works
	(Average of Weekly Analyses)	(Average of Weekly Analyses)
Total Dissolved Solids ...	515	407
pH Value	7.94	7.85
Residual Chlorine, Cl. ...	0.28	0.29
Chlorides, Cl.	51	48
Nitrate Nitrogen	3.90	1.74
Nitrite Nitrogen	0.003	0.002
Hardness, non-carbonate ...	126	131
„ carbonate	245	144
„ total	368	275
Free Ammonia (NH ₃) ...	0.21	0.19
Albuminoid Nitrogen ...	0.13	0.16
Oxygen Absorbed		
(4 hrs./27°C)... ..	1.25	1.32
Iron (Fe)	0.02	0.02

Bacteriological Examinations

No. of Tests during year ...	317	315
% of samples which were free from Baet. Coli (Type I) in 100 ml.	100.0	99.7
% of samples which were free from Coliform bacteria in 100 ml.	99.7	99.7
Maximum count of Coliform bacteria per 100 ml. ...	1	1

Sample of Water from the Mains of the Southend Water-works Company.

						<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	...	Nil
Colour	...	...	...	...	...	7
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	9.2
Free Carbon Dioxide		...	...	...	...	Absent
Electric Conductivity		...	...	...	...	550
Dissolved Solids dried at 180°C.		...	...	...	...	380
Chlorine present as Chloride		...	...	...	...	70
Alkalinity as Calcium Carbonate		...	...	...	...	25
Hardness : Total	...	...	...	...	...	150
Carbonate		...	...	...	...	25
Non-carbonate		...	...	...	...	125
Nitrate Nitrogen	...	...	...	...	...	5.5
Nitrite Nitrogen	...	...	...	...	...	Less than 0.01
Ammoniacal Nitrogen	...	...	...	...	...	0.06
Oxygen Absorbed	...	...	...	...	...	1.1
Albuminoid Nitrogen	...	...	...	...	...	0.10
Residual Chlorine	...	...	...	...	...	0.03
Metals : Iron, Zinc, Copper and Lead		...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar :

1 day at 37°C. 3 per ml.

2 days at 37°C. 4 per ml.

3 days at 20°C. 77 per ml.

Presumptive Coliform Reaction Absent 100 ml.

Bact. coli. (Type I) Absent 100 ml.

Cl. Welchii Reaction Absent 100

Report

This sample is clear and bright in appearance and is free from metals. It is alkaline in reaction but not to an excessive degree. The hardness of the water is very moderate and it contains no excess of mineral or saline constituents in solution. It is of satisfactory organic quality and bacterial purity.

These results are indicative of a pure and wholesome water suitable for public supply purposes.

Sample of Water from Asheldham Pumping Station

<i>Chemical Results in Parts per Million</i>					
Appearance	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	Nil
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Nil
pH	...	...	...	...	5·9
Free Carbon Dioxide	...	...	...	...	30
Electric Conductivity	...	...	...	...	490
Dissolved Solids dried at 180°C.	...	...	...	...	350
Chlorine present as Chloride	...	...	...	...	43
Alkalinity as Calcium Carbonate	...	...	...	...	10
Hardness : Total	...	...	...	...	210
Carbonate	...	...	...	...	10
Non-carbonate	...	...	...	...	200
Nitrate Nitrogen	...	...	...	...	25
Nitrite Nitrogen	...	...	...	...	Less than 0.01
Ammoniacal Nitrogen	...	...	...	...	0·000
Oxygen Absorbed	...	...	...	...	0·30
Albuminoid Nitrogen	...	...	...	...	0·026
Residual Chlorine	...	...	...	...	Absent
Metals : Zinc, Copper, Lead and Iron	...	...	...	...	Absent

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	4 per ml.
2 days at 37°C.	6 per ml
3 days at 20°C.	— per ml.

Presumptive Coli-form Reaction :	Absent 0.1 ml.
Bact. coli (Type 1)	Absent 100 ml.
Cl. Welchii Reaction :	Absent 100 ml.

Report

This sample is clear and bright in appearance and is free from metals. It has however an acid reaction due to its content of free carbon dioxide with very low carbonate alkalinity and will therefore tend to show corrosive characteristics. The water is hard in character but its hardness and its content of mineral and saline constituents in solution are not excessive. Its organic quality is of a high standard. It shows bacterial impurity including coliform bacteria in appreciable numbers, but with Bact. coli absent from 100 ml.

These results are consistent with a wholesome water.

Its content of nitrate is however higher than is considered desirable for the preparation of infant feeds. A high standard of bacterial purity should be obtained for public supply.

PUBLIC HEALTH ACT, 1936—SECTION 47.**Conversion of Pail Closets to Water Closets.**

During the period covered by this report, conversions of pail closets to water closets were carried out at 6 properties, and the Council under the above Section paid 50% towards the cost of conversions at those properties.

HOUSING

Statistics for the Year, 1963.

Number of new houses erected during the year :—

Total	394
(i) By the Local Authority	51
(ii) By other bodies and persons	243

The following table classifies the properties erected and owned by the District Council.

PARISH	4 Bed- room	3 Bed- room	2 Bed- room	1 Bed- room	Total
Althorne	—	—	—	—	—
Asheldham	—	5	2	—	7
Bradwell-on-Sea	2	12	5	7	26
Braxted, Great	—	18	—	—	18
Braxted, Little	—	4	—	—	4
Cold Norton	—	10	—	—	10
Dengie	—	8	—	—	8
Fambridge North	—	—	—	—	—
Goldhanger	—	62	4	8	74
Hazeleigh	—	6	—	—	6
Langford	—	—	—	—	—
Latchingdon	2	55	23	—	80
Mayland	—	12	—	—	12
Mundon	—	22	—	—	22
Purleigh	2	30	13	—	45
St. Lawrence	—	—	—	—	—
Southminster	13	177	8	12	203
Steeple	1	18	3	—	22
Stow Maries	—	18	—	—	18
Tillingham	—	51	6	7	64
Tollesbury	—	60	8	—	68
Tolleshunt D'Arcy	—	56	6	8	70
Tolleshunt Knights	—	10	—	—	10
Tolleshunt Major	2	13	2	—	17
Totham, Great	1	86	7	—	94
Totham, Little	—	11	—	—	11
Ulting	—	—	—	—	—
Wickham Bishops	2	51	4	—	57
Woodham Mortimer	—	18	—	—	18
Woodham Walter	—	24	8	—	32
TOTALS	25	837	99	42	996

The total includes six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea and buildings at Asheldham and Southminster converted into six dwellings, nine cottages (non-parlour) purchased by the Council at Wickham Bishops, and eighteen agricultural cottages (parlour) at Asheldham (4), Southminster (4), Steeple (6), Tolleshunt D'Arcy (4), 26 houses at Tillingham, 20 houses at Latchingdon and 93 houses at Southminster, (built for and occupied by employees of The Central Electricity Generating Board employed at Bradwell Generating Station).

Housing Act, 1957, Section 17.

During the year 16 Demolition Orders were made, 3 Closing Orders and 3 Undertakings given that houses would not be used for human habitation until they had been made fit for that purpose.

Sixteen properties were demolished, 14 of these being the subject of Demolition Orders.

Housing (Financial Provisions) Act, 1958

as amended by

House Purchase and Housing Act, 1959.

Improvement Grants

Properties reconditioned and modernised by the provision of amenities such as bathrooms, hot and cold water supplies, drainage work, etc.:

	<i>No. of Applications Received</i>	<i>No. of Applications Approved</i>	<i>No. of Properties Modernised</i>	<i>Total Amount of Grants Paid</i>	<i>Average Grant per Property</i>
Discretionary Grants	30	31	30	£10,262 10. 0.	£342
Standard Grants	22	21	15	£155' 0. 0.	£106

**Table showing Census Population 1951 and 1961, and
Number of Houses Census 1951 and December, 1963.**

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1951	Census Population		Number of Houses at end of Dec. 1963 excl. of hutments
				1961	1951	
Althorne	2080	255	150	483	451	179
Asheldham	1310	—	51	180	170	52
Bradwell-on-Sea ...	5221	4230	217	1116	680	262
Braxted Great	2634	—	115	322	363	126
Braxted Little	622	—	45	131	162	47
Cold Norton	1692	—	129	416	401	214
Dengie	2856	1186	45	117	165	51
Fambridge North...	1242	107	86	240	278	118
Goldhanger	1622	—	157	506	462	197
Hazeleigh	991	—	34	100	114	40
Langford	991	3	44	182	153	59
Latchingdon	3992	207	188	843	595	326
Mayland	1870	—	141	484	426	190
Mundon	3312	—	91	290	324	100
Purleigh	5535	87	279	914	886	329
St. Lawrence	2139	324	50	248	151	145
Southminster	6512	828	472	1897	1444	723
Steeple	2709	47	106	338	330	147
Stow Maries	1610	82	56	182	182	67
Tillingham	4928	2593	241	764	683	299
Tollesbury	4839	2019	539	1577	1594	586
Tolleshunt D'Arcy...	4104	415	248	864	758	319
Tolleshunt Knights	1926	—	133	326	405	185
Tolleshunt Major ...	2253	2	126	341	403	140
Totham Great	3589	—	395	1291	1221	515
Totham Little	1281	—	86	237	292	92
Ulting	1034	—	44	108	132	47
Wickham Bishops...	1606	—	275	911	866	319
Woodham Mortimer	1387	—	105	434	341	146
Woodham Walter ...	2620	—	173	499	531	186
TOTALS ...	78507	12385	4821	16341	14963	6206

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	...	...	...	78,505 (land and inland water)
Home Population (estimated June, 1963)	...	...	...	16,450
Census Population, 1961	...	...	...	16,690 (Males 8,390, Females 8,300)
Census Population, 1951	...	...	...	14,963
Number of inhabited houses 1961 census	...	...	...	5,748
Estimated number of houses at end of 1963	...	...	...	6,200
Rateable Value at 1st April, 1963	...	...	...	£525,108
Product of a Penny Rate for the year ending :—				
31st March, 1964	...	...	...	£2088 7 11
31st March, 1963	...	...	...	£688 1 11
Persons per household at Census 1951	...	...	...	3.08
Persons per household at Census 1961	...	...	...	2.90
Live Births : Number	...	...	...	306
Live Birth Rate per 1,000 population	...	...	...	18.65
Illegitimate live births per cent of total live births	...	...	...	4.9
Still Births : Number	...	...	...	5
Still Birth Rate per 1,000 live and still births	...	...	...	13.3
Total live and still births	...	...	...	311
Infant Deaths—(Deaths under 1 year)	...	...	...	6
Infant Mortality Rates				
Total infant deaths per 1,000 total live births	...	...	...	19.7
Legitimate infant deaths per 1,000 legitimate live births	...	...	...	19.7
Illegitimate infant deaths per 1,000 illegitimate live births	...	...	...	Nil
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births)	...	...	...	13.3
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 total live births)	...	...	...	13.3

Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births)	Nil
Maternal deaths (including abortion)	Nil
Maternal mortality rate per 1,000 live and still births ...	Nil
Deaths :—Male 97 } Crude death rate per 1,000 Female 84 } of estimated resident Total 181 } population	11.00
Registrar General's Comparability Factor of { Births	1.19
Deaths	0.85
Corrected Death Rate	9.35
Death Rate for England and Wales	12.2
Number of deaths under one year of age	6
Number of deaths under 4 weeks of age	4

The following tabular statements give details of the number of deaths classified according to age and cause:—

Age			Number of deaths							
			Occurring in district		Of non- residents occurring in district		Of residents occurring outside district		Allotted to district	
			M	F	M	F	M	F	M	F
Under 1 year	...	...	—	1	—	—	2	2	2	3
1 and under	2	...	—	—	—	—	—	—	—	—
2 „	5	...	—	—	—	—	—	—	—	—
5 „	15	...	2	—	—	—	1	—	3	—
15 „	25	...	1	2	—	—	1	—	2	2
25 „	35	..	—	—	—	1	1	1	1	—
35 „	45	...	2	1	—	—	3	—	5	1
45 „	55	...	2	1	1	—	2	1	3	4
55 „	65	...	12	1	3	—	6	5	15	4
65 „	75	...	14	12	—	—	12	8	26	20
75 and over	...	...	28	35	—	3	17	20	40	52
TOTALS	...	...	61	53	5	4	45	37	97	84
GRAND TOTALS	...	...	114		9		82		181	

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	1	—	1
Tuberculosis, other	—	—	—
Syphilitic disease... ..	—	—	—
Diphtheria	—	—	—
Whooping Cough... ..	—	—	—
Meningococcal Infections	—	—	—
Acute Poliomyelitis	—	—	—
Measles	—	—	—
Other Infective and Parasitic Diseases	1	—	1
Malignant Neoplasm, Stomach ...	1	2	3
Malignant Neoplasm, Lung, Bronchus	10	1	11
Malignant Neoplasm, Breast	—	4	4
Malignant Neoplasm, Uterus	—	2	2
Other Malignant and Lymphatic Neoplasms	15	9	24
Leukaemia, Aleukaemia... ..	1	—	1
Diabetes	1	1	2
Vascular Lesions of Nervous System ...	17	26	43
Coronary Disease, Angina	21	8	29
Hypertension with Heart Disease ...	4	1	5
Other Heart Disease	9	7	16
Other Circulatory Disease	5	5	10
Influenza	1	—	1
Pneumonia	6	7	13
Bronchitis... ..	4	3	7
Other Diseases of Respiratory System	—	1	1
Ulcer of Stomach and Duodenum ...	2	—	2
Gastritis, Enteritis and Diarrhoea ...	1	—	1
Nephritis and Nephrosis	—	—	—
Hyperplasia of Prostate	1	—	1
Pregnancy, Childbirth, Abortion ...	—	—	—
Congenital Malformations	—	1	1
Other defined and ill-defined diseases ...	9	8	17
Motor vehicle accidents	3	—	3
All other accidents	2	3	5
Suicide	—	2	2
Homicide and operations of war ...	—	—	—
Totals	115	91	206